

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/17/2020 10:10 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126176	0	1.81	126320	1.80
Blue	F	SSC	125000	123688	-2	1.62	124551	1.63
Blue	E	FITC	15892	15437	-3	2.77	337	19.98
Blue	D	PE	29999	29737	-1	1.94	650	14.69
Blue	B	PerCP-Cy5-5	43732	43311	-1	3.76	1159	20.24
Blue	A	PE-Cy7	30845	30679	-1	6.08	592	41.10
Red	C	APC	46112	45352	-2	2.49	1602	12.13
Red	A	APC-Cy7	30458	30051	-2	2.38	794	12.24
Violet	B	V450	7918	7591	-5	4.38	425	13.65
Violet	A	V500	32171	30840	-5	4.20	719	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17467	9.44	624	3	N/A	N/A	Pass
Blue	F	SSC	56334	1.18	563	4	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0201	117	Pass
Blue	D	PE	134	48.35	550	2	0.1519	218	Pass
Blue	B	PerCP-Cy5-5	215	49.42	657	1	0.0092	60	Pass
Blue	A	PE-Cy7	108	104.18	700	2	0.0107	21	Pass
Red	C	APC	381	25.48	588	4	0.0246	167	Pass
Red	A	APC-Cy7	175	29.25	561	5	0.0053	906	Pass
Violet	B	V450	65	59.78	458	0	0.0432	1685	Pass
Violet	A	V500	108	33.43	474	0	0.0217	625	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.46	-31.87	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.81	13.60 - 20.40	N/A	N/A	29.34	29.87	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9639

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments